RAISECOM

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Commands of Layer-3 Interface-1

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Chapter 1 Commands of Layer-3 Interface

1.1 ip address

[Function]

Set IP address of current interface.

Use "**no ip address**" to delete IP address of current interface.

[Command Format]

ip addreass *ip-address [ip-mask] vlan-id*

no ip address *ip-address*

[Parameter]

ip-address: Set IP address of current interface, format is dotted decimal, eg:A.B.C.D;

ip-mask: Set IP mask, format is A.B.C.D;

vlan-id:VLAN ID of corresponding layer-3 interface.

[Default]

No IP address is configured fo the current interface by default.

[Command Modes]

Ethernet layer-3 interface configuration mode and Privileged user

[Executing Command Instruction]

This command is used to configure IP address for management interface. Before the configuration of the interface IP address, the interface of concerned VLAN must be configured. The IP address of interface should be A, B or C class.

[Explanation of command execution echo]

Set successfully

Set unsuccessfully

Too many VLAN Set in the interface.

The total number of IP subnet and static routes have exceeded the max value(14).

Can't add ip interface for cluster member.

Invalid network mask.

Can not assign ip address for vlan X ...

Invalid IP address or network mask.

VLAN X already associated with interface Y.

A.B.C.D overlaps with interface X.

[Example]

Set current interface IP address to 192.168.1.2, associated VLAN ID is 2:

Raisecom(config-ip)# **ip address** *192.168.1.2 255.255.255.0 2*

Erase interface IP address:

Raisecom(config-ip)# **no ip address** *192.168.1.2*

[Related commands]

Commands	Description
show ip route	Show the route.
show interface ip	Show layer-3 interface.

1.2 interface ip

[Function]

To enter IP interface mode.

[Command Format]

interface ip *<0-IfNum>*

[Parameter]

<0-IfNum>: IP interface number.

[Default]

All the system IP interfaces have no address

[Command Modes]

Global configuration mode; Privileged EXEC.

[Executing Command Instruction]

Use **interface ip** command to enter IP configuration mode, it is available to configure management address for Ethernet switch.

[Example]

To enter the configuration mode for IP interface 4:

raisecom(config)# **interface ip** *4*

[Related commands]

Commands	Description
ip address	Set the IP address for current interface.
show interface ip	Show the layer-3 interface

1.3 show interface ip

[Function]

Show layer 3 in privileged EXEC mode.

[Command Format]

show interface ip

[Command Modes]

Privileged EXEC, privileged user

[Executing Command Instruction]

Show layer 3 configuration in Privileged EXEC mode by this command.

[Explanation of command execution echo]

Raisecom#**show interface ip**

Index Ip Address NetMask Vid Status

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0 20.0.0.1 255.0.0.0 1 active

[Example]

Raisecom#**show interface ip**

[Related commands]

Commands	Description
ip address	Set the IP address

北京瑞斯康达科技发展有限公司
RAISECOM TECHNOLOGY CO.,LTD.

Address: 2nd Floor, South Building of Rainbow Plaza, No.11 Shangdi Information Road, Haidian District, Beijing Postcode: 100085 Tel: +86-10-82883305 Fax: +86-10-82883056
Email: export@raisecom.com http://www.raisecom.com